Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/23/2020 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125140	0	3.30	125237	3.25
Blue	F	SSC	125000	124637	-1	1.77	125466	1.78
Blue	E	FITC	15892	15435	-3	3.22	337	21.89
Blue	D	PE	29999	29193	-3	2.39	635	15.92
Blue	B	PerCP-Cy5-5	43732	43396	-1	4.12	1157	22.40
Blue	A	PE-Cy7	30845	30921	0	6.98	581	45.31
Red	C	APC	46112	45256	-2	2.51	1601	12.07
Red	A	APC-Cy7	30458	29176	-5	2.41	772	12.05
Violet	B	V450	7918	7455	-6	5.15	419	13.95
Violet	A	V500	32171	30237	-7	4.96	704	11.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16752	18.93	660	39	N/A	N/A	Pass
Blue	F	SSC	56741	1.42	590	31	N/A	N/A	Pass
Blue	E	FITC	61	68.96	557	14	0.0164	136	Pass
Blue	D	PE	132	52.61	563	15	0.1314	232	Pass
Blue	B	PerCP-Cy5-5	211	55.72	674	18	0.0075	78	Pass
Blue	A	PE-Cy7	106	118.61	721	23	0.0092	32	Pass
Red	C	APC	380	25.40	588	4	0.0249	172	Pass
Red	A	APC-Cy7	170	28.83	559	3	0.0055	892	Pass
Violet	B	V450	63	65.62	461	3	0.0523	2623	Pass
Violet	A	V500	106	37.79	477	3	0.0213	1165	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.37	-32.07	1.04
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	15.22	13.60 - 20.40	N/A	N/A	29.66	29.94	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9880

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments